

Substitute for Form 1449 A & B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/798,409
				Confirmation Number	5988
				Filing Date	March 12, 2004
				First Named Inventor	TSUKADA, Kenji
				Art Unit	2856
				Examiner Name	Rose Mary Miller
Sheet 1		of 5	Attorney Docket Number Q80436		

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ³ (if known)		
		US 6,799,820	B1	10/05/2004	Usui et al.
		US 2002/0012015	A1	01/31/2002	Tsukada et al.
		US 2002/0015068	A1	02/07/2002	Tsukada et al.
		US 2002/0015084	A1	02/07/2002	Tsukada et al.
		US 2002/0105555	A1	08/08/2002	Tsukada et al.
		US 2002/0135623	A1	09/26/2002	Tsukada et al.
		US 2002/0170353	A1	11/21/2002	Usui et al.
		US 2003/0043216	A1	03/06/2003	Usui et al.
		US 2003/0071862	A1	04/17/2003	Tsukada et al.

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
		EP	1 055 520	A1	11/29/2000	Seiko Epson Corporation	
		JP	10-323993		12/08/1998	Canon Inc.	Abstract
		JP	10-175312		06/03/1998	Canon Inc.	Abstract
		JP	03-169642		07/23/1991	Canon Inc.	Abstract
		JP	03-067657		03/22/1991	Canon Inc.	Abstract
		JP	09-286121		11/04/1997	Brother Ind. Ltd.	Abstract
		JP	2001-146030		05/29/2001	Seiko Epson Corp.	Abstract
		GB	2321107	A	07/15/1998	Smiths Industries Public Lmtd. Co.	

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.			Translation ⁶

Examiner Signature

Rose Miller

Date Considered

5/27/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.

Substitute for Form 1449 A & B/PTO		<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>(Use as many sheets as necessary)</small>		Application Number	10/798,409
<i>O I P E J C</i> <i>APR 18 2005</i> <i>PATENT AND TRADEMARK OFFICE</i>		Confirmation Number	5988
		Filing Date	March 12, 2004
		First Named Inventor	TSUKADA, Kenji
		Art Unit	2856
		Examiner Name	Rose Mary Miller
		Attorney Docket Number	Q80436
Sheet 1 of 5	2	of	5

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US 2003/0117450	A1	06/26/2003	Usui et al.
		US 2003/0117451	A1	06/26/2003	Usui et al.
		US 2003/0140694	A1	07/31/2003	Usui et al.
		US 4,196,625		04/08/1980	Kern
		US 4,310,957		01/19/1982	Sachs
		US 4,604,633		08/05/1986	Kimura et al.
		US 4,677,448		06/30/1987	Mizusawa et al.
		US 4,935,751		06/19/1990	Hamlin
N		US 4,977,413		12/11/1990	Yamanaka et al.

FOREIGN PATENT DOCUMENTS

NON PATENT LITERATURE DOCUMENTS

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to indicate here if English language Translation is attached.

Substitute for Form 1449 A & B/PTO				<i>Complete if Known</i>	
<u>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</u>				Application Number	10/798,409
				Confirmation Number	5988
				Filing Date	March 12, 2004
				First Named Inventor	TSUKADA, Kenji
				Art Unit	2856
				Examiner Name	Rose Mary Miller
Sheet	3	of	5	Attorney Docket Number	O80436

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US 5,068,836		11/26/1991	Steel
		US 5,132,711		07/21/1992	Shinada et al.
		US 5,506,611		04/09/1996	Ujita et al.
		US 5,610,635		03/11/1997	Murray et al.
		US 5,635,961		06/03/1997	Sato
		US 5,694,156		12/02/1997	Hoisington et al.
		US 5,835,817		11/10/1998	Bullock et al.
		US 5,900,888		05/04/1999	Kurosawa

FOREIGN PATENT DOCUMENTS

NON PATENT LITERATURE DOCUMENTS

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to indicate here if English language Translation is attached.

Substitute for Form 1449 A & B/PTO				<i>Complete if Known</i>	
<u>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</u>				Application Number	10/798,409
				Confirmation Number	5988
				Filing Date	March 12, 2004
				First Named Inventor	TSUKADA, Kenji
				Art Unit	2856
				Examiner Name	Rose Mary Miller
Sheet	4	of	5	Attorney Docket Number	Q80436

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US 6,012,794		01/11/2000	Nakano et al.
		US 6,155,664		12/05/2000	Cook
		US 6,254,212	B1	07/03/2001	Coudray et al.
		US 6,347,853	B1	02/19/2002	Kato
		US 6,361,136	B1	03/26/2002	Watanabe et al.
		US 6,416,152	B1	07/09/2002	Matsuzaki et al.
		US 6,435,638	B1	08/20/2002	Wilson et al.
✓		US 6,438,500	B1	08/20/2002	Froger et al.
		US 5,524,486		06/11/1996	Hermann

previously
cited

Examiner Signature *Bob Ingle* **Date Considered** *5/27/05*

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to indicate here if English language Translation is attached.

Substitute for Form 1449 A & B/PTO				<i>Complete if Known</i>	
<u>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</u>				Application Number	10/798,409
				Confirmation Number	5988
				Filing Date	March 12, 2004
				First Named Inventor	TSUKADA, Kenji
				Art Unit	2856
				Examiner Name	Rose Mary Miller
Sheet	5	of	5	Attorney Docket Number	Q80436

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US 5,264,831		11/23/1993	Pfeiffer
		US 5,247,832		09/28/1993	Umezawa et al.
1522		US 3,394,589		07/30/68	Tomioka
		US 5,319,973		06/14/1994	Crayton et al.
		US			
		US			.
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS

NON PATENT LITERATURE DOCUMENTS

Examiner Signature 

Date Considered

5/27/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to indicate here if English language Translation is attached.